



STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

Jim Gibbons, Governor

Allen Biaggi, Director

Leo M. Drozdoff, P.E., Administrator

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET (pursuant to NAC 445A.236)

Permittee Name: The Golf Course at Fallon, Inc.
2655 Country Club Drive
Fallon, Nevada 89406

Permit Number: NEV2007505

Description of Discharges

Location:

The Golf Course at Fallon is located at 2655 Country Club Drive in Fallon, Churchill County, Nevada 89406. The area is approximately two miles northwest of Fallon, north of Highway 50, north of the railroad and north of the Carson River. The Onda Verde and other subdivisions lie adjacent to the golf course on the south, east and west.

Longitude: 118°48'41"W., Latitude: 39°28'57"N.
Section 26, T. 19N., R. 28E., MDB&M

General: The Golf Course at Fallon encompasses about 79 acres. The Churchill County Wastewater Treatment Plant (CCWWTP) is located on the golf course, and is owned and operated by Churchill County (NEV2006511). The treatment plant is designed to supply secondary treated, denitrified and disinfected effluent for seasonal irrigation reuse and winter storage at the Golf Course at Fallon under agreement between both parties and under the terms of this permit for the golf course's reuse, and for Churchill County and its treatment facility. All reuse irrigation shall be conducted in accordance with the approved Effluent Management Plan and the terms and conditions of this permit. The effluent supply line from the Churchill County Wastewater Treatment Plant discharges directly into the effluent irrigation storage pond on the golf course. Irrigation is supplemented with pumped groundwater and an out-take from the Carson River. The out-take line, well water feed line and the effluent supply lines have an airgap into the storage pond from which effluent is pumped into the irrigation system or stored for the winter.

Flow: The applicant has applied for a permit to discharge a total of 0.250 MGD 30-Day Average Flow for the eighteen-hole golf course area on a total of 79 acres. The permit requires the reuse water quantity to be monitored and reported. The maximum monthly flow is based upon the highest usage month determined from the consumptive use

balance plus 10% allowance, and in accordance with the approved Effluent Management Plan. The annual application volume is limited to a maximum of 233 acre feet/year for reuse irrigation at the golf course property.

Total Coliform:

*Fecal Coliform:** 2.2 CFU/MPN/100 ml 30 day average CFU = Colony Forming Units;
23 CFU/MPN/100 ml daily max. MPN = Most Probable Number; ml = Milliliter

** Sample results are to be obtained from Churchill County WWTP(# NEV2006511)*

Characteristics: The applicant intends to use secondary treated, denitrified and disinfected reuse water provided by the Churchill County's new Wastewater Treatment Plant. It will provide reclaimed water that meets new Category B quality per NAC 445A.276, and is denitrified below 10 mg/l N. The golf course is an 18-hole course with a variety of turf grasses irrigated; Ryegrass, Kentucky Bluegrass and Annual Bluegrass fairways and bentgrass greens with tee boxes of a mix of Ryegrass and Kentucky Bluegrass. There are two six foot deep effluent storage lakes for seasonal irrigation supply and winter storage of effluent. The Fecal Coliform monitoring compliance point is at the treatment plant, prior to discharge into the effluent delivery line to the irrigation storage lake. An irrigation well onsite provides water via an air-gapped pipeline into the irrigation lake which will be supplementing the reuse supply; there is also an air-gapped pipeline conveying river water from a river out-take to the lake via an air-gap as a supplemental supply. Currently the golf course is being watered with river and groundwater. The effluent storage/irrigation lakes are unlined, and are connected via a 12" pipe to equalize lake levels.

Receiving Water Characteristics: Groundwater in the general area is not used for drinking water. Based on historic data, the groundwater in the immediate area is not used as a drinking water source due to varying high concentrations of TDS, nitrates from septic systems in the area, and presence of arsenic and agrichemicals from agricultural irrigation. Depth to groundwater is about 13.5-16 feet below ground surface. Drinking water is obtained from the intermediate aquifer at about 180' in depth. Drinking water in this service area is being provided from a municipal supply with arsenic removal as needed, and chlorinated to meet State Drinking Water regulation. Groundwater flow is generally south. Because of the concern of high nitrates, the treatment plant has a total nitrogen limit of 10 mg/L. The treatment plant is required to ensure that the treated effluent is nitrified and then denitrified prior to export to the reuse site. The effluent is to be applied at the consumptive rate. No adverse effects to groundwater are expected to occur as a result of this effluent reuse.

Procedures for Public Comment:

The Notice of the Division's intent to issue the permit authorizing The Golf Course at Fallon, Inc. to discharge to the groundwater of the State of Nevada via spray irrigation on the golf course is subject to the conditions contained within the permit, is being sent to the **Lahontan Valley News/Fallon Eagle Standard** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the publication of the public notice. All comments must be received MM/DD, 2007. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination

The Division has made the tentative determination to issue the proposed permit for a period of five (5) years.

Schedule of Compliance and Special Conditions

There are no Schedule of Compliance items or special conditions.

Rationale for Permit Requirements

Required parameters are monitored to ensure effluent reuse requirements are maintained per NAC 445A.275 and 445A.276.

*Prepared by: Icyl C. Mulligan
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